

In the Claims

Amend claim 2 as follows.

2. (Amended) The velocity controller in claim 1 wherein said PI controller comprises:

- a'
- (1) an initial summing junction which compares said reference velocity and said estimated motor velocity and generates an error signal;
 - (2) an integrator which receives said error signal and generates a value for multiplication by an integral constant;
 - (3) a means for multiplying said error signal by a proportional constant;
 - (4) a means for multiplying said value received from said integrator by an integral constant; and
 - (5) a final summing junction which add the value of the signal generated by said proportional constant means and the value of the signal generated by said integral constant means and generates a sum as a PWM signal to said motor.
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